

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/003517

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C12Q 1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12Q 1/68

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Korean Patents and Applications for inventionElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Delphion, Pubmed, CA, Genbank "(fusion) AND (secre*) AND (identi* OR screen*) AND (library)"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2002/072821 (Incyte Genomics Inc.) 19 Sep. 2002	1-8
A	WO 1999/49028 (Genentech Inc.) 30 Sep. 1999	1-8
A	Proc. Natl. Acad. Sci., Vol.93, Jul. 1996, pages 7108-7113, R. D. Klein et al. "Sélection for Genes Encoding Secreted Proteins and Receptors"	1-8
A	Gene, Vol.239, 1999, pages 293-299, K. J. Downing et al. "Staphylococcus aureus Nuclease Is a Useful Secretion Reporter for Mycobacteria"	1-8
A	J. Bacteriol., Vol., 177, No.1, Jan 1995, pages 59-65, E. M. Lim et al., "Identification of Mycobacterium tuberculosis DNA Sequences Encoding Exported Proteins by Using phoA Gene Fusions"	1-8
A	Appl. Environ. Microbiol., Vol.69, No.12, Dec.2003, pages 6994-7001, L. E. MacConaill et al. "Investigation of Protein Export in Bifidobacterium breve UCC2003"	1-8

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents:
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

07 APRIL 2005 (07.04.2005)

Date of mailing of the international search report

07 APRIL 2005 (07.04.2005)

Name and mailing address of the ISA/KR


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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2001/00806 (Gensei) 4 Jan. 2001	9-17
A	Protein Eng., Vol.15, No.4, 2002, pages 337-345, N. S. Tan et al. "Engineering a Novel Secretion Signal for Cross-Host Recombinant Protein Expression"	9-17

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of :

a. type of material

a sequence listing
 table(s) related to the sequence listing

b. format of material

in written format
 in computer readable form

c. time of filing/furnishing

contained in the international application as filed
 filed together with the international application in computer readable form
 furnished subsequently to this Authority for the purposes of search

2. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed; as appropriate, were furnished.

3. Additional comments:

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2004/003517

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2002/072821A	19.09.2002	US 20020127557A	12.09.2002
WO 1999/49028A	30.09.1999	US 6228590 AU 3193399A	08.05.2001 18.10.1999
WO 2001/00806A	04.01.2001	US 6548633 US 20040110939A EP 1200576A CA 2368098A AU 0055594A	15.04.2003 10.06.2004 02.05.2002 04.01.2001 31.01.2000